

2023 TRWA Sampling Results for Dissolved Oxygen (mg/l)			TARGET FOR CONCERN - LESS THAN 5.0 MG/L (or high values during blooms)								
Sample	Site No.	River & Location Description	April	May	June	July	August	Sept.	Oct.		
1	TNT-01	Taunton R. Br, Center St., Berkley	10.42	8.28	8.04	5.74	6.27	6.36	6.98		
2	TNT-02	Taunton R. Br, Plain St., Taunton	10.56	8.17	8.03	6.13	6.51	6.58	7.14		
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	10.27	7.73	17.70	5.25	6.30	5.57	7.03		
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater	10.58	8.23	7.45	6.13	7.04	7.1	7.86		
5	ASO-01	Assonet R. Bridge, Rt 79	10.81	9.2	8.69	8.17	7.77	4.22	9.18		
6	SEG	Segregansett R. Br, Brook St. Dighton	10.48	8.86	6.84	7.42	5.97	7.01	7.37		
7	BER-01	Chuckamucksett Brk. Br, Berkley St.	11.27	9.3	9.00	8.36	8.60	7.90	8.56		
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.	11.10	9.30	8.57	7.77	7.75	8.10	9.24		
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	10.52	8.43	7.93	6.72	7.14	7.08	8.08		
10	TMR-03	Three Mile R. Br, Crane St., Norton	10.33	8.06	7.96	6.86	7.26	6.58	8.12		
11	MIL-01	Mill R., Ingell St., Taunton	10.88	9.02	NR	7.04	7.46	7.27	8.54		
12	MIL-02	Mill R., Washington St., Taunton	10.97	9.03	NR	7.40	7.60	7.44	8.56		
13	MIL-03	Mill R., Whittendon St., Taunton	10.96	8.89	NR	7.11	7.21	7.31	8.11		
14	FORGE	Forge R. Br, Rt 44, Raynham	10.89	8.41	7.60	7.25	7.25	6.94	8.15		
15	COT-01	Cotley R., Middleboro Ave, Taunton	11.27	9.42	8.72	7.5	8.01	6.60	8.47		
16	FBR-01	Furnace Brk., River St., E. Taunton	10.38	8.99	7.63	7.25	6.58	5.97	6.95		
17	CHU-01	Taunton River Br, Church St., Raynham	11.02	7.93	7.41	5.40	6.41	5.95	7.10		
18	TWH-01	Town R., Br, Hayward St., Bridgewater	10.42	9.42	7.38	6.38	6.89	7.20	8.47		
19	MAT-01	Matfield R., Br, High St., Bridgewater	10.26	8.67	7.80	6.04	7.27	6.84	7.91		
20	NEM-01	Nemasket R., Murdock St., Middleboro	9.23	8.13	7.04	3.13	5.30	3.65	7.10		
		Duplicate Sample Location	DUP #	DUP Results							
April	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	11.19							
	BER-01	Chuckamucksett Brk. Br, Berkley St.	DUP 2	11.52							
May	FBR-01	Furnace Brk., River St., E. Taunton	DUP 1	9.05							
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	NR							
June	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	8.03							
	ASO-01	Assonet R. Bridge, Rt 79	DUP 2	8.66							
July	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	DUP 1	5.74							
	SEG	Segregansett R. Br, Brook St. Dighton	DUP 2	7.22							
August	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	6.54							
	MAT-01	Matfield R., Br, High St., Bridgewater	DUP 2	7.21							
Sept.	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	6.57							
	MIL-01	Mill R., Ingell St., Taunton	DUP 2	7.38							
Oct.	NEM-01	Nemasket R., Murdock St., Middleboro	DUP 1	7.05							
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	8.04							

2023 TRWA Sampling Results for pH			TARGET FOR CONCERN - Outside Range 6.5 through 8.3 or 0.5 units from natural								
Sample	Site No.	River & Location Description	April	May	June	July	August	Sept.	Oct.		
1	TNT-01	Taunton R. Br, Center St., Berkley	6.71	6.32	6.71	6.40	6.81	6.38	6.06		
2	TNT-02	Taunton R. Br, Plain St., Taunton	6.62	6.42	6.83	6.47	6.92	6.40	6.11		
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	5.64	6.08	5.83	6.60	6.02	5.43	5.83		
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater	5.83	6.24	6.22	6.60	6.43	5.84	5.67		
5	ASO-01	Assonet R. Bridge, Rt 79	5.89	5.56	5.59	6.61	6.05	5.39	5.56		
6	SEG	Segregansett R. Br, Brook St. Dighton	6.02	6.23	5.64	5.96	6.32	5.72	4.33		
7	BER-01	Chuckamucksett Brk. Br, Berkley St.	5.87	6.10	5.95	6.48	6.19	5.70	6.03		
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.	6.73	6.56	6.55	6.48	6.34	6.34	5.89		
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	6.67	6.63	6.71	6.40	6.54	6.47	5.96		
10	TMR-03	Three Mile R. Br, Crane St., Norton	6.69	6.67	6.60	6.49	6.70	6.41	6.31		
11	MIL-01	Mill R., Ingell St., Taunton	6.41	6.42	NR	6.64	6.78	6.35	6.25		
12	MIL-02	Mill R., Washington St., Taunton	6.51	6.59	NR	6.60	6.85	6.40	6.31		
13	MIL-03	Mill R., Whittendon St., Taunton	6.59	6.14	NR	6.63	6.86	6.52	6.43		
14	FORGE	Forge R. Br, Rt 44, Raynham	5.64	6.44	6.56	6.05	5.86	5.51	5.66		
15	COT-01	Cotley R., Middleboro Ave, Taunton	3.97	6.48	6.50	6.75	6.72	2.97	6.26		
16	FBR-01	Furnace Brk., River St., E. Taunton	6.35	6.12	5.50	6.17	6.76	4.29	6.28		
17	CHU-01	Taunton River Br, Church St., Raynham	6.03	6.44	6.34	6.53	6.72	3.15	6.32		
18	TWH-01	Town R., Br, Hayward St., Bridgewater	5.91	6.48	6.61	6.49	5.03	3.38	3.35		
19	MAT-01	Matfield R., Br, High St., Bridgewater	2.84	6.42	6.41	6.50	6.60	2.72	5.79		
20	NEM-01	Nemasket R., Murdock St., Middleboro	5.75	3.67	3.50	6.09	6.70	3.73	6.38		
		Duplicate Sample Location	DUP #	DUP Results							
April	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	3.97							
	BER-01	Chuckamucksett Brk. Br, Berkley St.	DUP 2	5.85							
May	FBR-01	Furnace Brk., River St., E. Taunton	DUP 1	NR							
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	NR							
June	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	6.53							
	ASO-01	Assonet R. Bridge, Rt 79	DUP 2	5.71							
July	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	DUP 1	5.12							
	SEG	Segregansett R. Br, Brook St. Dighton	DUP 2	6.64							
August	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	6.29							
	MAT-01	Matfield R., Br, High St., Bridgewater	DUP 2	6.19							
Sept.	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	3.08							
	MIL-01	Mill R., Ingell St., Taunton	DUP 2	6.44							
Oct.	NEM-01	Nemasket R., Murdock St., Middleboro	DUP 1	5.83							
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	6.32							

2023 TRWA Sampling Results for Temperature (Degrees C)			TARGET FOR CONCERN - Greater Than 28.3°C									
Sample	Site No.	River & Location Description	April	May	June	July	August	Sept.	Oct.			
1	TNT-01	Taunton R. Br, Center St., Berkley	15.8	15.4	19.3	21.2	21.3	21.5	17.0			
2	TNT-02	Taunton R. Br, Plain St., Taunton	16.9	16.4	19.2	22.2	21.2	21.5	16.9			
3	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	14.0	16.4	19.1	23.0	21.7	21.4	17.2			
4	CHE-01/TNT-04	Taunton R. Br, Cherry St., Bridgewater	13.0	15.2	18.7	20.9	21.3	21.0	17.1			
5	ASO-01	Assonet R. Bridge, Rt 79	16.3	17.8	19.7	20.9	21.5	21.3	17.1			
6	SEG	Segregansett R. Br, Brook St. Dighton	15.4	17.4	17.9	19.6	19.6	20.3	17.1			
7	BER-01	Chuckamucksett Brk. Br, Berkley St.	15.1	16.1	16.2	19.9	18.0	19.3	16.5			
8	TMR-01	Three Mile R. Br, Rt 138, Somerset Ave.	16.2	16.1	19.0	21.3	21.1	21.0	16.8			
9	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	17.2	18.2	19.4	21.4	21.1	21.1	17.0			
10	TMR-03	Three Mile R. Br, Crane St., Norton	15.5	18.7	18.8	21.2	21.1	21.0	17.0			
11	MIL-01	Mill R., Ingell St., Taunton	14.3	17.3	NR	22.0	21.3	22.8	16.7			
12	MIL-02	Mill R., Washington St., Taunton	14.1	17.3	NR	22.4	21.7	22.9	16.9			
13	MIL-03	Mill R., Whittendon St., Taunton	14.6	17.5	NR	21.9	21.8	22.8	16.9			
14	FORGE	Forge R. Br, Rt 44, Raynham	13.4	17.5	18.4	21.4	19.7	21.5	16.6			
15	COT-01	Cotley R., Middleboro Ave, Taunton	13.1	17.4	18.0	20.9	20.4	21.0	15.9			
16	FBR-01	Furnace Brk., River St., E. Taunton	15.5	13.6	18.1	20.4	21.2	22.1	16.5			
17	CHU-01	Taunton River Br, Church St., Raynham	13.6	15.6	18.6	19.0	21.0	21.9	16.5			
18	TWH-01	Town R., Br, Hayward St., Bridgewater	17.4	18.0	19.3	21.4	21.2	21.2	16.9			
19	MAT-01	Matfield R., Br, High St., Bridgewater	16.1	17.1	19.3	21.6	20.8	21.1	16.5			
20	NEM-01	Nemasket R., Murdock St., Middleboro	15.7	15.3	19.5	21.2	21.2	21.2	17.3			
		Duplicate Sample Location	DUP #	DUP Results	Duplicate sample obtained by second reading with another thermometer or reading by another team member.							
April	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	13.5								
	BER-01	Chuckamucksett Brk. Br, Berkley St.	DUP 2	12.5								
May	FBR-01	Furnace Brk., River St., E. Taunton	DUP 1	14.2								
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	NR	NR - Not Reported, no sample							
June	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	19.2								
	ASO-01	Assonet R. Bridge, Rt 79	DUP 2	19.6								
July	BED-01/TNT-03	Taunton R., Rt 18, Bedford St., Bridgewater	DUP 1	21.0								
	SEG	Segregansett R. Br, Brook St. Dighton	DUP 2	20.0								
August	TNT-02	Taunton R. Br, Plain St., Taunton	DUP 1	21.1								
	MAT-01	Matfield R., Br, High St., Bridgewater	DUP 2	21.0								
Sept.	COT-01	Cotley R., Middleboro Ave, Taunton	DUP 1	21.0								
	MIL-01	Mill R., Ingell St., Taunton	DUP 2	22.3								
Oct.	NEM-01	Nemasket R., Murdock St., Middleboro	DUP 1	17.7								
	TMR-02	Three Mile R. Br, Rt 44, Cohannet St.	DUP 2	17.5								

Sample Analysis, Collection Method - Standard Operating Procedures (SOP) and Instream Target Values									
Samples	Veolia Taunton WWTF Lab								
	http://www.veolianorthamerica.com/en/taunton-mass								
Samples Are Collected by Trained TRWA Volunteers Using An SOP Jointly Developed by TRWA and Veolia North America									
	https://savethetaunton.org/wp-content/uploads/2023/05/TRWA-Sampling-SOP-2023v3.pdf								
A sampling map may be found on the TRWA website.									
Water Quality Protection Instream Target Values:									
	Dissolved Oxygen (DO)								
	Water Quality Target Value for Dissolved Oxygen (DO) is greater than 5.0 mg/l to meet the Massachusetts Class B								
	Water Quality Standards for warm water freshwater fisheries and the SB DO criterion for marine waters.								
	Total Suspended Solids (TSS)								
	Total Suspended Solids (TSS) is a measure of particulates in the water. There is no Water Quality Standard for TSS.								
	We are looking for unusually high values that may indicate an erosion or poor stormwater management								
	problem upstream. High levels of TSS can smother aquatic life and destroy benthic habitat.								
	Only very turbid samples are analyzed and reported. Analyzing turbid samples only.								
	pH								
	The Water Quality Standard for pH in class B waters is 6.5 through 8.3 and not more than 0.5 units outside the natural range.								
	Wetlands, swamps, bogs, pine forest tend to have natural low pH. Field pH strips are sometimes used to identify								
	extremes of pH such as that caused by a spill of industrial waste. Reported results are from samples analyzed								
	by Veolia Taunton WWTP lab using a calibrated pH meter.								
	Temperature (Degrees C)								
	The Water Quality Standard for Temperature in class B waters is that it shall not exceed 83°F (28.3°C) in warm water fisheries.								
	The Temperature in class SB waters shall not exceed 85°F (29°C) nor a maximum daily mean of 80°F (26.7°C).								
	Natural seasonal and daily variations that are necessary to protect existing and designated uses shall be maintained.								
	There shall be no changes from natural background conditions that would impair any use assigned to this Class,								
	including those conditions necessary to protect normal species diversity, successful migration, reproductive								
	functions or growth of aquatic organisms.								
	TRWA sampling locations TNT-01 and TNT-02 are in class SB waters all others are in class B waters.								